

260D CD Player



M O O N

Power

Emotion

Soul

The MOON 260D Player is the perfect companion source component for the 250i Integrated Amplifier. Incorporating technologies found in our highly acclaimed MOON CD players, the MOON 260D uses highly advanced digital and analog circuitry to produce an astounding level of sonic performance, having no equal in its price range. With features including a fully customized CD transport mechanism, a bidirectional RS-232 port, a large easy-to-read display, an IR input for external control, and luxurious industrial build quality, the 260D will provide for many years of listening pleasure and hassle-free use.

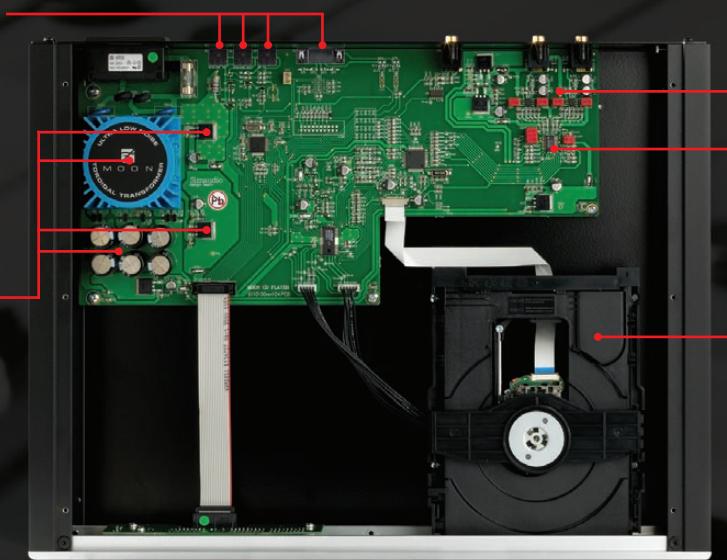
Musically Engaging



Significant Design Features

RS-232 port for (i) full unsolicited bidirectional feedback and (ii) firmware updates; IR input for external control; SimLink controller port allows for 2-way communications between other compatible MOON components

Ultra-low noise toroidal transformer driven power supply with 8 stages of DC voltage regulation



Advanced analog signal path using a DC servo circuit and proprietary analog filter

BurrBrown PCM1793 high-resolution 24-bit/192-kHz DAC and 8X oversampling digital filter

Proprietary M-ProDrive transport mechanism with in-house developed hardware & software

- ▲ Internal upsampling with 24-bit/352.8kHz processing
- ▲ All digital and analog audio circuitry mounted on a single circuit board, each with their own respective ground plane, to minimize signal path lengths and eliminate any potential for interference and signal degradation

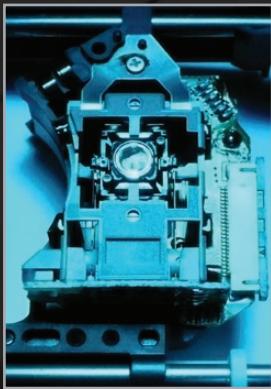
- ▲ PCB w/ pure copper tracings & gold plating that yields low impedance characteristics
- ▲ Optimized selection of very high quality electronic components



Simaudio Ltd. has been designing and manufacturing innovative, leading-edge audio and video products since 1980. MOON products have been globally recognized for their world-class performance, garnering numerous accolades for this outstanding achievement. Our products are engineered and built in Canada, utilizing advanced, efficient, "green" assembly techniques with strict quality control. Furthermore, our manufacturing processes are part of our philosophy, whereas the high quality and long-life of MOON products are the best way to preserve our environment, avoiding premature obsolescence. MOON products meet or exceed all international requirements for safety, performance and durability. At Simaudio, great music matters. However, great music for a lifetime matters most.

Technical Information

The MOON 2600 use a proprietary transport mechanism employing in-house developed hardware and software. This mechanism, which we named M-ProDrive, is comprised of following components: the disc drawer; the optical laser pickup; the dual-rail apparatus that holds this pickup, the motor which spins the disc; the disc positioning and clamping assembly, the frame which all these components are mounted onto, and finally, both the controller and servo software.



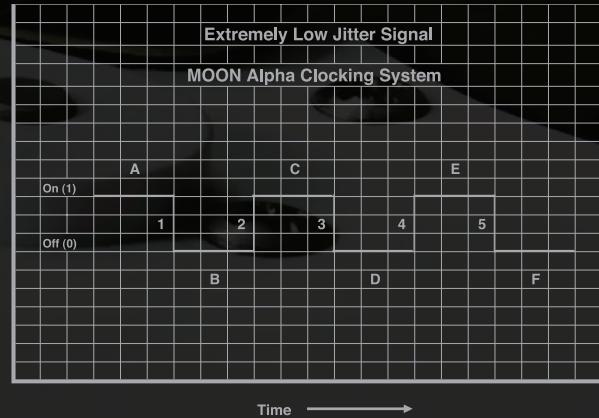
When we developed this mechanism, several key design considerations were implemented to enhance sonic performance: Improved stability of disc's rotational speed was achieved through the use of a very lightweight disc platform. Our disc clamping mechanism minimizes vibrations and uneven rotation. The optical pickup assembly is surrounded by small magnets and housed in an enclosure to dramatically improve tracking. This enclosure is mounted on the aforementioned dual-rail apparatus which prevents any off-axis tilting when the lens moves. All of these features combine to ensure quieter disc rotation.

Some of the other advantages realized by this manufacturing process for the M-ProDrive include:

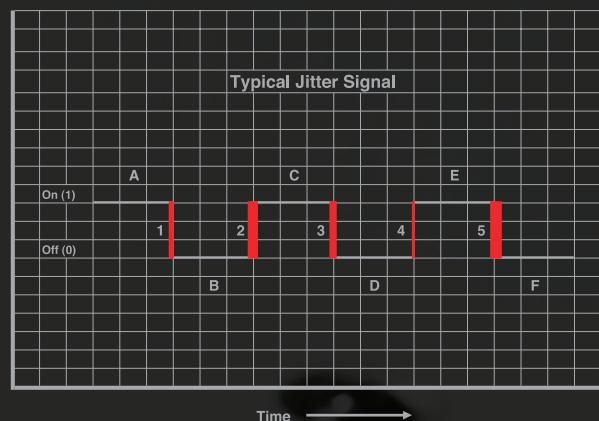
- ▲ Reduced jitter
- ▲ Better handling of errors resulting from defective or dirty discs
- ▲ Improved mechanical reliability
- ▲ More accurate data retrieval
- ▲ A facility for firmware upgrades

Accurate data retrieval ensures more lifelike sonic reproduction

Featuring PLL synchronization, the **MOON Alpha Clocking System** achieves extremely accurate phasing and much better than average recovery of information from the compact disc. As well, digital clock-signal integrity is dramatically improved. The result is extremely low jitter in the order of less than 10 picoseconds RMS which means the elimination of digital fatigue in the high-frequency region, and therefore a more analog-like, yet very realistic sonic signature. The significant differences, with respect to jitter, between a digital clock signal from the **MOON Alpha Clocking System** (upper diagram) and a typical digital clock signal (lower diagram).



When the width of the above digital impulses (A, B, C, D, E, F) are identical, then the phasing between the impulses (1, 2, 3, 4, 5) will all have same width (**black vertical bars**) , resulting in extremely low phase errors.



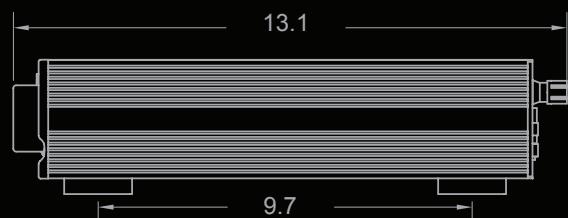
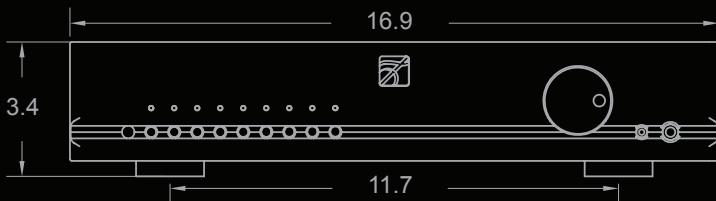
When the width of the above digital impulses (A, B, C, D, E, F) are not equal, then the phasing between the impulses (1, 2, 3, 4, 5) will vary noticeably in width (**red vertical bars**), resulting in significant phase errors.

High-frequencies never sounded so natural ... cymbals so life-like that you'll want to reach out and touch them ... a genuinely non-fatiguing sound without even a hint of digital grain.

260D Specifications

Configuration	Single-ended / 2-channel
Transport Mechanism	Proprietary Design
Front Panel Controls	Stand by • Play • Pause • Stop Previous Track • Next Track • Open/CLOSE
Front Panel Display	Track number • Time (track / disc)
Front Panel LED Mode Indicators	Program • Scan • Random • Repeat (disc & track)
Digital Filter / DAC	BurrBrown PCM1793
Frequency Response (audible)	20Hz - 20kHz +0/-0.2dB
Frequency Response (full range)	2Hz - 72kHz +0/-3dB
THD @1kHz, 0dBFS (A-weighted)	< 0.002%
Intermodulation Distortion	< 0.005%
Dynamic Range	> 110dB
Signal-to-noise Ratio	> 110dB @ full output
Channel Separation	> 106dB
Low Level Linearity	±1.0dB to below 120dBFS
Intrinsic Jitter	< 300 picoseconds RMS
Single-Ended Analog Outputs	1 pair RCA
Max. Analog Output @ 0dBFS	2.0 Volts @ 100Ω
Digital Output	S/PDIF (RCA)
Digital Output Impedance	75Ω (0.5 Volts p-p)
Remote Control	Full-Function (CRM-2)
Power Consumption @ idle	15 Watts
AC Power Requirements	120V / 60Hz or 240V / 50Hz
Shipping Weight	14 lbs / 6.3 Kgs
Dimensions (W x H x D, inches)	16.9 x 3.4 x 13.1

Specifications subject to change without notice



MANUFACTURED IN CANADA

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